



- 1. Geology of the Glendo area, Wyoming, by J.D. Love, N.M. Denson, and Theodore Barnette.
- 2. Geology of the Horse Draw area, Albany and Platte Counties, Wyoming, by J.J. Pennington.
- 3. Geologic map of the Cottonwood tunnel district, by the Geological Survey of Wyoming.

EXPLANATION

- Recent**
 - Slope wash
 - Lies mainly above water table, hence generally does not yield water to wells but serves as a catchment area for precipitation
 - Terrace deposits
 - Generally lie above the water table, serve as a catchment area for recharge from precipitation
- Quaternary**
 - Alluvium
 - Supplies water to stock, domestic, and irrigation wells
- Tertiary**
 - Miocene**
 - Arkarene sandstone
 - Yields limited amounts of water to wells and springs from beds of sandstone and gravel
 - Oligocene**
 - Bule formation
 - Yields water to domestic and stock wells from fractures and fissures
- Lower Cretaceous**
 - Mowry shale**
 - Ground-water possibilities not known
 - Thermopsis shale**
 - Ground-water possibilities not known
 - Clowery formation**
 - Yields water to springs
- Jurassic**
 - Morrison formation**
 - Ground-water possibilities not known
- Triassic**
 - Chugwater formation**
 - Ground-water possibilities not known
- Permian?**
 - Gypsum and red-shale sequence**
 - Ground-water possibilities not known
 - Minekahta limestone**
 - Ground-water possibilities not known
- Carboniferous**
 - Oyster shale**
 - Yields little or no water
 - Harville formation**
 - Yields water under certain conditions from the "concrete sand". Other sandstones and porous limestones may contain water.
- Devonian?**
 - Garnsey formation**
 - Ground-water possibilities not known
- Pre-Cambrian**
 - Igneous and metamorphic rocks**
 - Ground-water possibilities not known
- Wells and Springs**
 - Flowing well
 - Stock and domestic well
 - Irrigation well
 - Spring
 - Well sample for chemical analyses
 - Stream sample for chemical analyses
 - Fault

Base compiled from aerial photographs and from map prepared by the Wyoming State Highway Department.

Map compiled by J.R. Rapp

MAP OF THE GLENDOWENDOVER AREA, WYOMING, SHOWING AREAL GEOLOGY AND LOCATION OF WELLS AND SPRINGS

